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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/633,719	08/05/2003	Toshio Tsuchiya	520.43000X00	
20457 75	590 03/02/2005	EXAMINER		
	, TERRY, STOUT & K	GIESY, ADAM		
1300 NORTH S SUITE 1800	SEVENTEENTH STREET	ART UNIT	PAPER NUMBER	
	VA 22209-9889	2651		

DATE MAILED: 03/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.	Applicant(s)				
Office Action Summary			10/633,719	TSUCHIYA ET AL.				
		L	Examiner	Art Unit				
			Adam R. Giesy	2651				
	The MAILING DATE of this communi		<u>-</u>		••			
Period fo								
THE - External after - If the - If NC - Failu	ORTENED STATUTORY PERIOD FOMAILING DATE OF THIS COMMUNI nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comm period for reply specified above is less than thirty (30 period for reply is specified above, the maximum stare to reply within the set or extended period for reply reply received by the Office later than three months a ed patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(aunication. D) days, a reply wind atutory period will a will, by statute, ca	a). In no event, however, may a thin the statutory minimum of th apply and will expire SIX (6) MC use the application to become	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communic BANDONED (35 U.S.C. § 133).	ation.			
Status								
1)⊠	Responsive to communication(s) file	d on <u>08/05/2</u>	<u>2003</u> .					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)⊠	Claim(s) 1-14 is/are pending in the a	pplication.						
-	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□	Claim(s) is/are allowed.							
6)	6)☐ Claim(s) is/are rejected.							
7)	Claim(s) is/are objected to.							
8)⊠	Claim(s) 1-14 are subject to restriction	on and/or ele	ction requirement.					
Applicati	on Papers							
9)	The specification is objected to by the	e Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
	Acknowledgment is made of a claim to	for foreign nr	iority under 35 H S C	8 110(a)-(d) or (f)				
_	⊠ All b) Some * c) None of:	ior ioreign pr	ionty under 33 o.s.c.	g 113(a)-(u) or (i).				
u),	1. ☐ Certified copies of the priority	documents h	ave heen received					
	2. Certified copies of the priority			Application No.				
	3. Copies of the certified copies of				•			
	application from the Internation	· -		Treceived iii tiiis Mational Stage				
* 5	See the attached detailed Office action	•	, ,,	received.				
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Attachmen			_					
	e of References Cited (PTO-892)	TO-049)		Summary (PTO-413) (s)/Mail Date				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 				Informal Patent Application (PTO-152)				
Paper No(s)/Mail Date 6) Other:								

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DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-4 and 14, drawn to a magnetic recording and reproducing apparatus with at least one multitrack write head having N write elements and having at least one multitrack read head having read elements being an integer multiple of N wherein the multitrack write head writes signals to a group of N signal tracks and the multitrack read head reads the groups of N signal tracks, classified in class 360, subclass 64.

- II. Claims 5-6 and 7, drawn to a magnetic recording method forming a group of N signal tracks wherein the width of one of the N signal tracks is larger than that of the other or other signal tracks, classified in class 360, subclass 21.
- III. Claim 8, drawn to a magnetic reproduction method where servo signals are written to predetermined regions, the track width is set to a smaller value than a track width formed on the magnetic tape, and the position of the read head is controlled based on timings at which the read head reads the servo signals, classified in class 360, subclass 73.04.
- IV. Claims 9-11 drawn on a multitrack thin film magnetic head with magnetic write elements formed on a substrate, wherein the n-th thin film magnetic write element and the (n+1)-th thin film magnetic write element are formed with a predetermined shift, the magnetic write elements having a protection film along a direction of film deposition, classified in class 360, subclass 114.1.

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V. Claims 12-13 drawn to a magnetic multitrack read head with magnetic read elements formed on a substrate with magnetoresistive effect elements, wherein the n-th thin film magnetic read element and the (n+1)-th thin film magnetic read element are formed with a predetermined distance, classified in class 360, subclass 313.

2. The inventions are distinct from each other because of the following reasons:

Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, apparatus invention I can be used with a process with same width of N signal tracks.

Inventions I and III are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, apparatus invention I can be used with a process with same width of N signal tracks.

Inventions I and IV are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because a predetermined shift in track width and the protection film are not used in

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apparatus invention I. The subcombination has separate utility such as with an apparatus that only writes servo or data tracks without read capabilities.

Inventions I and V are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the magnetoresistive effect elements and the predetermined distances between tracks on the substrate as not used in apparatus invention I. The subcombination has separate utility such as with an apparatus that only reads servo or data tracks without write capabilities.

Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as with a method that reads data signals. See MPEP § 806.05(d).

Inventions II and IV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, invention II can be practiced with a product that does not require a predetermined shift in track width and the protection film.

Inventions II and V are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different

functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions are used to perform different functions and have different effects. Invention II is used for writing data, while invention V is used for reading data.

Inventions III and IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions are used to perform different functions and have different effects. Invention III is used for reading data, while invention IV is used for writing data.

Inventions III and V are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case invention V can be used in a process of reading a data track.

Inventions IV and V are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention V has separate utility such as reading data tracks on magnetic film. See MPEP § 806.05(d).

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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Applicant is advised that the reply to this requirement to be complete must include as election of the invention to be examined even though the requirement may be traversed (37 CFR 1.143).

- 4. A telephone call was made to Melvin Kraus on 1/28/2005 to request an oral election to the above restriction requirement, but did not result in an election being made.
- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently names inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of the inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam R. Giesy whose telephone number is (703) 306-4080. The examiner can normally be reached on 8:00am-4:15pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R. Hudspeth can be reached on (730) 308-4825. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ARG 1/28/05

W. R. YOUNG PRIMARY EXAMINER